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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
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| 09/476,219 | 12/30/99 | FITE | R 884,182US1 |

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EXAMINER

HAN, Y

ART UNIT

PAPER NUMBER

2838

DATE MAILED: 10/24/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/476,219

Applicant(s)

Fite

Examiner

Y. J. Han

Group Art Unit

2838

☐ Responsive to communication(s) filed on _____.

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-16 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-16 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☒ The drawing(s) filed on Dec 30, 1999 is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the structural limitations as cited in claims 1 and 6-12 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.
2. Figures 1 and 2 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g).

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 1-16 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The specification does not provide support for the claimed limitations, specifically “the voltage is at a maximum voltage level...level.” at lines 5-8 in claim 1; “the voltage is at the minimum current voltage level when the current drawn is below the minimum load current level.” in claim 3, “adding the adjusted voltage signal to the voltage provided by the DC-DC converter” at lines 11-12 in claim 7, “voltage is at a maximum level...converter” at lines 8-12 in claim 8, “the

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voltage is at a maximum...current level” at lines 4-6 in claim 9, and "a voltage at the minimum current voltage level when the current drawn is below the minimum load current level.” in claim 14. Therefore, should applicant believe that the claimed invention is sufficiently described in the specification, applicant is required to point out explicit language in the specification, citing page and line numbers, where such support exists.

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 1-6 and 9-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The phrases “maximum current voltage level” and “minimum current voltage level” are unclear as to what is meant.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

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8. As best understood, claims 1-16 are rejected under 35 U.S.C. 102(e) as being fully anticipated by either Hua et al (5,999,433) or Buono (5,949,222).

Both Hua et al and Buono references disclose a DC to DC converter sensing a current drawn from the DC to DC converter and adjusting the voltage in relationship to load current level as cited in the claims.

9. As best understood, claims 1 and 7-9 are rejected under 35 U.S.C. 102(a) as being fully anticipated by applicant's admitted prior art as shown in figures 1 and 2.

The admitted prior art disclose a DC to DC converter sensing a current drawn from the DC to DC converter and adjusting the voltage in relationship to load current level as cited in the claims.

10. Any inquiry concerning this communication should be directed to Y. J. Han at telephone number (703) 308-0109. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-1782. The Group FAX numbers are (703) 305-7724 and 308-7722.

Y. J. Han

Y. J. Han
Primary Examiner
Group 2838